()	9	measuring means for measuring a deviation of said first
do:	10	stage relative to said second stage in a predetermined
	11	direction other than the direction of scanning movement; and
	12	adjusting means for adjusting the second stage on the
	13	basis of the measurement by said measuring means
	1	144. An apparatus according to Claim 143, wherein
	2	said adjusting means adjusts movement of the second stage on
	3	the basis of measurement by said measuring means
	1	145. An apparatus according to Claim 143, wherein
	2	said measuring means comprises a laser interferometer
	1	146. An apparatus according to Claim 143, wherein
	2	said predetermined direction is perpendicular to the
	3	direction of scanning movement
	1	147. An apparatus according to Claim 143, wherein
	2	said predetermined direction is a rotational direction about
	3	an axis which is perpendicular to the original or the
	4	substrate
		distribution of the second of
	1	148 An apparatus according to Claim 143, further
	2	comprising means for projecting the pattern of the original
	3	onto the substrate in a reduced scale, so that reduced-scale
	4	patterns are printed in different zones of the substrate

;

2)	1	149. An apparatus according to Claim 143, wherein at
ond	2	least one of said first and second stages comprises an air
	3	bearing for guiding movement of said stages
	1	150. An exposure apparatus in which a portion of a
	2	pattern of an original is projected onto a substrate and in
	3	which the original and the substrate are scanned
	4	synchronously such that the pattern of the original is
	5	transferred to the substrate, said apparatus comprising:
	6	a stage for scanningly moving one of the original and
	7	the substrate in a scanning direction;
	8	a reference member provided on said stage and being
	9	adapted to be used for measurement of the position of said
	10	stage; and
	11	detecting means for detecting, with the use of said
	12	reference member, deviation of the direction of scanning
	13	movement of said stage from a desired direction on the basis
	14	of measurement, at different locations along the stage
	15	movement direction of the position of the stage with respect
	16	to a direction different from the scanning direction
	1	151. An apparatus according to Claim 150, further
	2	comprising means for correcting the direction of scanning
	3	movement on the basis of detection by said detecting
	4	means

1	152. An apparatus according to Claim 150, further
2	comprising a laser interferometer for measuring the position
3	of said stage, wherein said reference member comprises a
4	reference reflection mirror to be used with said laser
5	interferometer
1	153. An apparatus according to Claim 150, further
2	comprising means for projecting the pattern of the original
3	onto the substrate in a reduced scale, so that reduced-scale
4	patterns are printed in different zones of the substrate
1	154. An apparatus according to Claim 150, further
2	comprising a frame member which supports said stage and a
3	projection optioal system for projecting the pattern of the
4	original onto the substrate
1	155. An apparatus according to Claim 150, wherein
2	said stage comprises an air bearing for guiding movement of
3	said stage
1	156. An exposure apparatus in which a portion of a
2	pattern of an original is projected onto a substrate and in
3	which the original and the substrate are scanned in a timed
4	relation such that the pattern of the original is
5	transferred to the substrate, said apparatus comprising:

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	6	first and second stages, one of which is for scanningly
CI	7	moving the original and the other of which is for scanning
conp	8	moving the substrate;
	9	a projection optical system for projecting the pattern
	10	of the original onto the substrate;
	11	first measuring means for measuring positional
	12	information of said first stage;
	13	second measuring means for measuring positional
	14	information of said second stage;
	15	a base for supporting said first stage and for
	16	supporting said first measuring means;
	17	a base for supporting said second stage and for
	18	supporting said second measuring means; and
	19	means for circulating a temperature-controlled medium
	20	with respect to said first stage.
	1	157. An exposure apparatus in which a portion of a
	2	pattern of an original is projected onto a substrate and in
	3	which the original and the substrate are scanned
	4	synchronously such that the pattern of the original is
	5	transferred to the substrate, said apparatus comprising:
	6	first and second stages, one of which is for scanningly
	7	moving the original and the other of which is for scanningly
	8	moving the substrate, wherein said first and second stages
	9	are guided by air guide means;
	10	a projection optical system for projecting the pattern
	11	of the original onto the substrate;

•	12	first measuring means for measuring positional
Cont	13	information of said first stage;
Cony	14	second measuring means for measuring positional
•	15	information of said second stage;
	16	a base for supporting said first stage and said first
	17	measuring means; and
	18	a base for supporting said second stage and said second
	19	measuring means
	1	158. An exposure method for the manufacture of
	2	microdevices, in which a portion of a pattern of an original
	3	is projected onto a substrate and in which the original and
	4	the substrate are scanned in a timed relation such that the
	5	pattern of the original is transferred to the substrate,
ii	6	said method comprising the steps of:
	7	providing first and second stages, one of which is for
	8	scanningly moving the original and the other of which is for
	9	scanningly moving the substrate;
	10	measuring a deviation of the first stage relative to
	11	the second stage with respect to a predetermined direction
	12	other than the scanning movement direction; and
	13	adjusting the second stage, on the basis of the
	14	measurement in said measuring step
	1	159. a method according to Claim 158, wherein said
	2	adjusting step comprises adjusting movement of the second

		/
	3	stage on the basis of the measurement in said measuring
C1	4	step
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	1	160. A method according to Claim 158, wherein said
	2	measuring step comprises measuring the deviation by use of a
	3	laser interferometer
	1	161. A method according to Claim 158, wherein the
	2	predetermined direction is perpendicular to the scanning
	3	movement direction
	3	
	1	162. A method according to Claim 158, wherein the
	2	predetermined direction is a rotational direction about an
	_	axis that is perpendicular to one of the original and the
	3	
	4	substrate
		163. A method according to Claim 158, further
	1	1
	2	comprising projecting the pattern of the original onto the
	3	substrate in a reduced scale
		/
	1	164. An exposure method for the manufacture of
	2	microdevices, in which a portion of a pattern of an original
	3	is projected onto a substrate and in which the original and
	4	the substrate are scanned in a timed relation such that the
	5	pattern of the original is transferred to the substrate,
	6	said method comprising the steps of:
		7

7	providing a stage for scanningly moving one of the
6.1 8	original and the substrate in a scanning direction;
Cato 9	providing a reference member on the stage, which
10	reference member is adapted to be used for measurement of
11	the position of the stage; and
12	detecting, by use of the reference member, deviation of
13	the direction of scanning movement of the stage from a
14	desired direction on the basis of measurement, at different
15.	locations along the stage movement direction, of the
16	position of the stage with respect to a direction different
17	from the scanning direction
1	165. A method according to Claim 164, further
2	comprising correcting the direction of the scanning movement
3	on the basis of the detection in said detecting step
1	166. A method according to Claim 164, further
2	comprising measuring the position of the stage by use of a
3	laser interferometer, wherein the reference member comprises
4	a reference reflection mirror to be used with the laser
5	interferometer
1	167. A method according to Claim 164, further
2	comprising projecting the pattern of the original onto the
3	substrate in a reduced scale